

FIG. 1 is a block diagram of a system architecture showing two main processing units, 1 and 2, connected to a common bus 3. Unit 1 includes a Main Controller 11, a Storage Device 13 with Program and Data areas, a TSW 15, a LIF 17, a NIF 18, a PCM-HWY 16, a Media I/F 19, and a Control Line I/F 14. Unit 2 includes a Main Controller 21, a Storage Device 23, a Keyboard 27, an Internal Bus 22, a Control Line I/F 24, a Speech Synthesis Board 26, and a Speech Recognition Board 25. Both units are connected to a common bus 3 which provides VG and VD signals. Telephone terminals 50, 51, ..., 5n are connected to the system via an Analog Trunk 6.

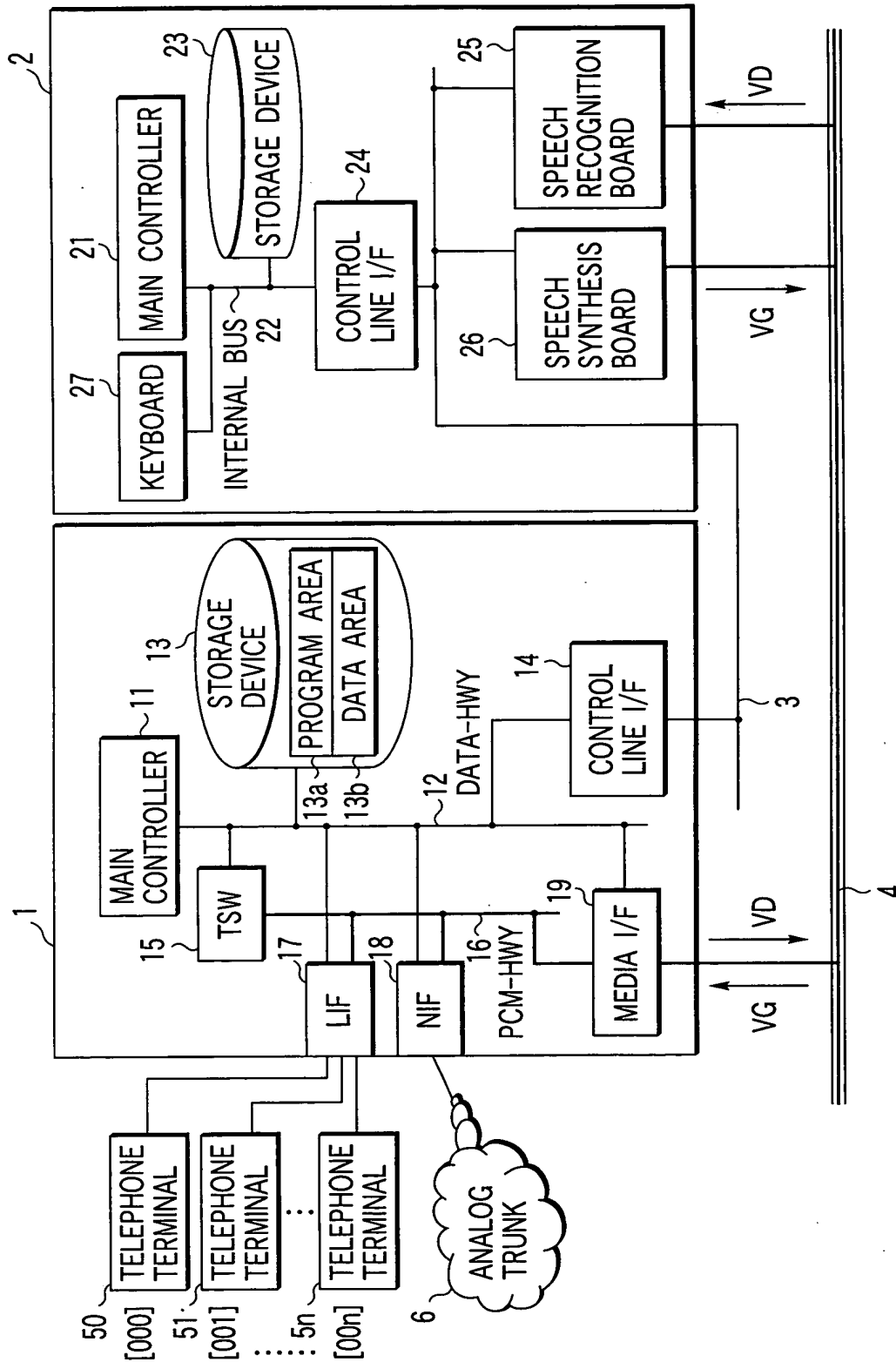


FIG. 1

NAME	EXTENSION NUMBER
YAMAMOTO	5621
SASAKI	5625

FIG. 2

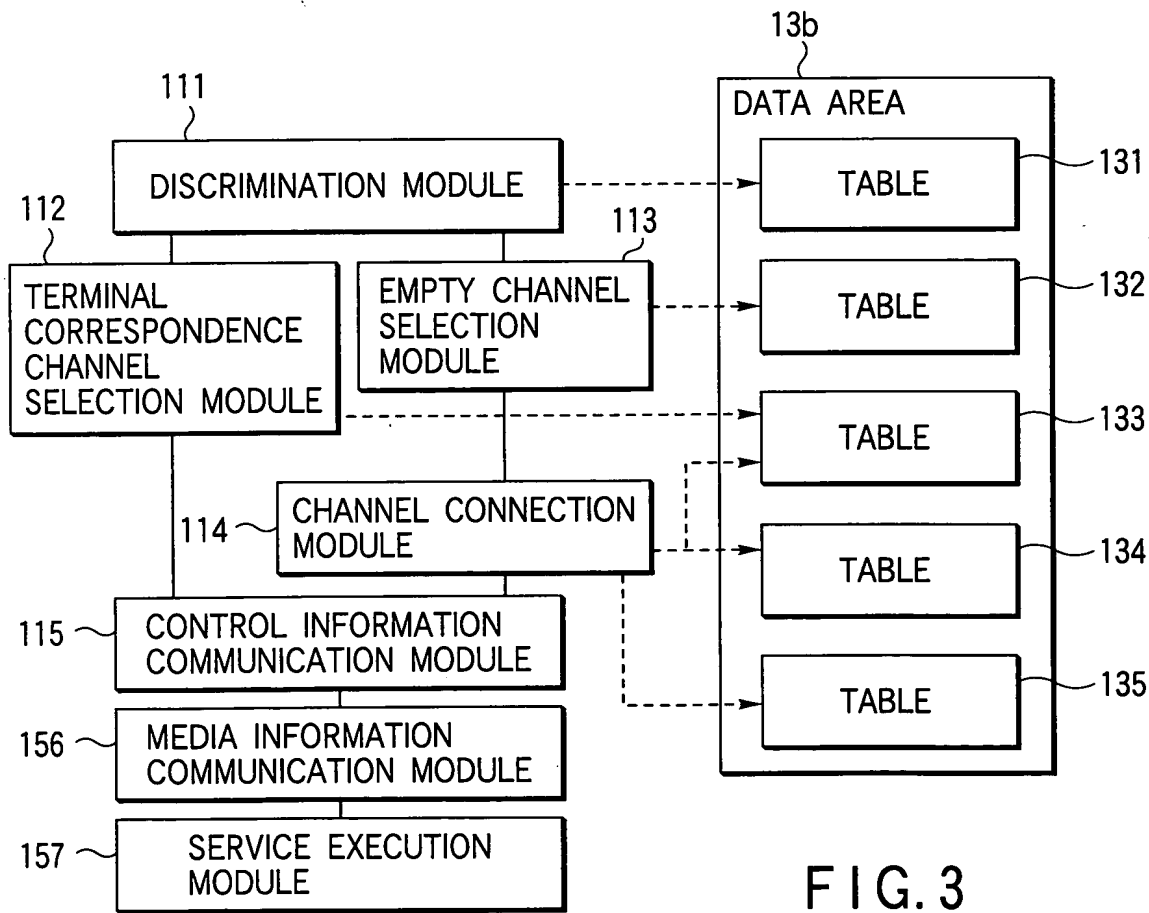
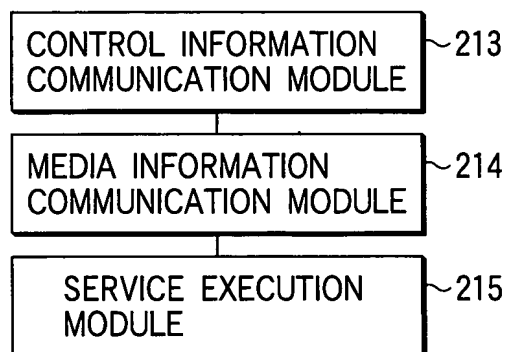


FIG. 3

FIG. 4



SERVICE TYPE	OUTSIDE LINE DIALING	UNNECESSARY
	VOICE DIALING	NECESSARY
	CONVERSATION RECORDING	NECESSARY
	BUILT-IN ATTENDANT	UNNECESSARY
	VOICE MAIL	NECESSARY
	⋮	⋮

FIG. 5

MEDIA BUS LOGICAL CHANNEL NUMBER	000	EMPTY
	001	EMPTY
	002	BUSY
	⋮	⋮
	XXX	EMPTY

FIG. 6

133  
}

TERMINAL [000]	MEDIA BUS LOGICAL CHANNEL	010
TERMINAL [001]		011
TERMINAL [002]		012
⋮		⋮
TERMINAL [00n]		XXX

FIG. 7

134  
}

MEDIA BUS LOGICAL CHANNEL NUMBER	000	TIME SWITCH OUTPUT CHANNEL NUMBER	
MEDIA BUS LOGICAL CHANNEL NUMBER	001		
⋮	⋮	⋮	⋮
	010	TIME SWITCH OUTPUT CHANNEL NUMBER	700
	011		701
	012		702
⋮	⋮	⋮	⋮
	XXX		n

FIG. 8

135  
}

MEDIA BUS LOGICAL CHANNEL NUMBER	000	TIME SWITCH INPUT-SIDE CHANNEL NUMBER	500
	001		501
	002		502
⋮	⋮	⋮	⋮
	XXX		n

FIG. 9

FIG. 10 is a block diagram of a media information communication path 4.

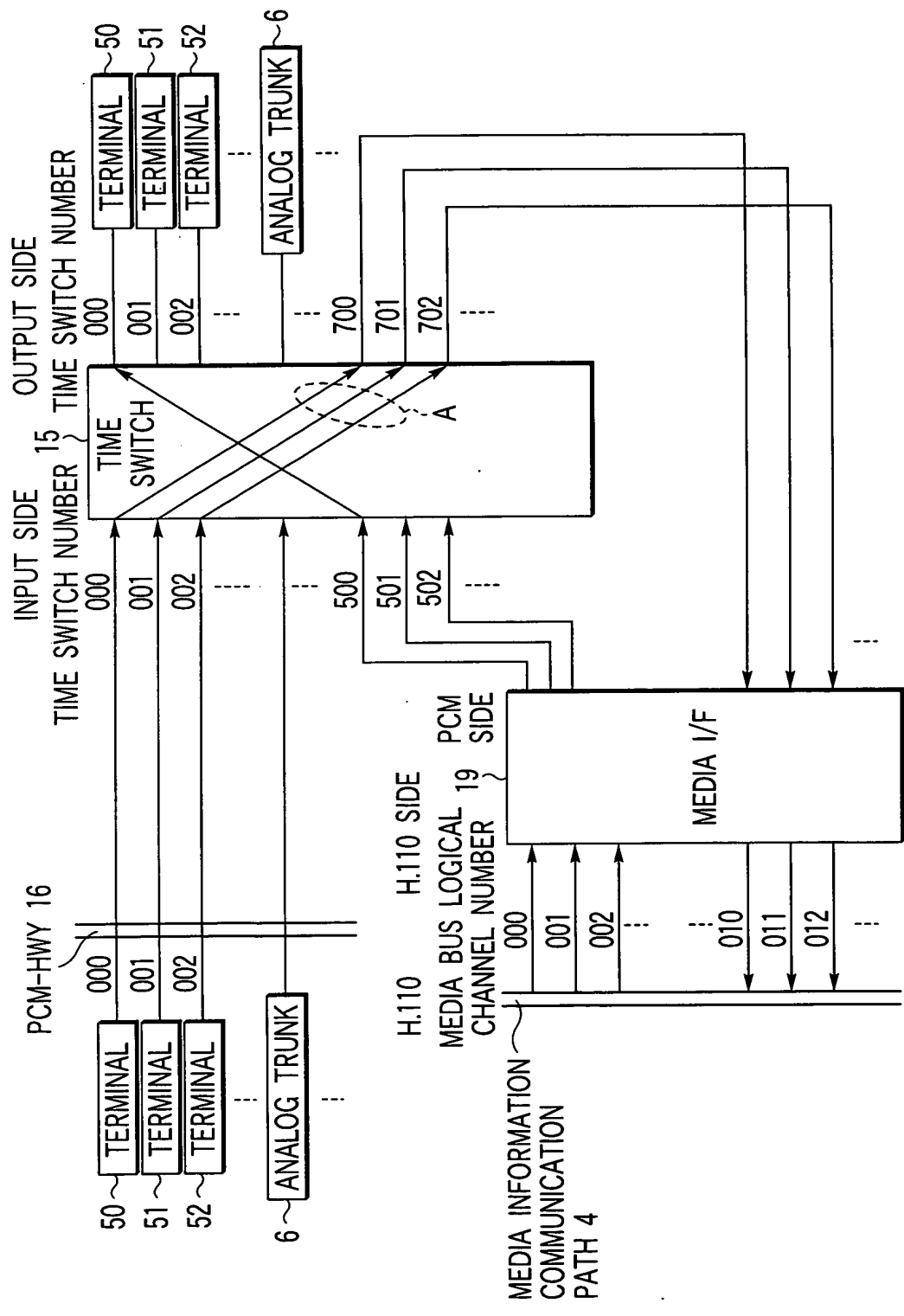


FIG. 10

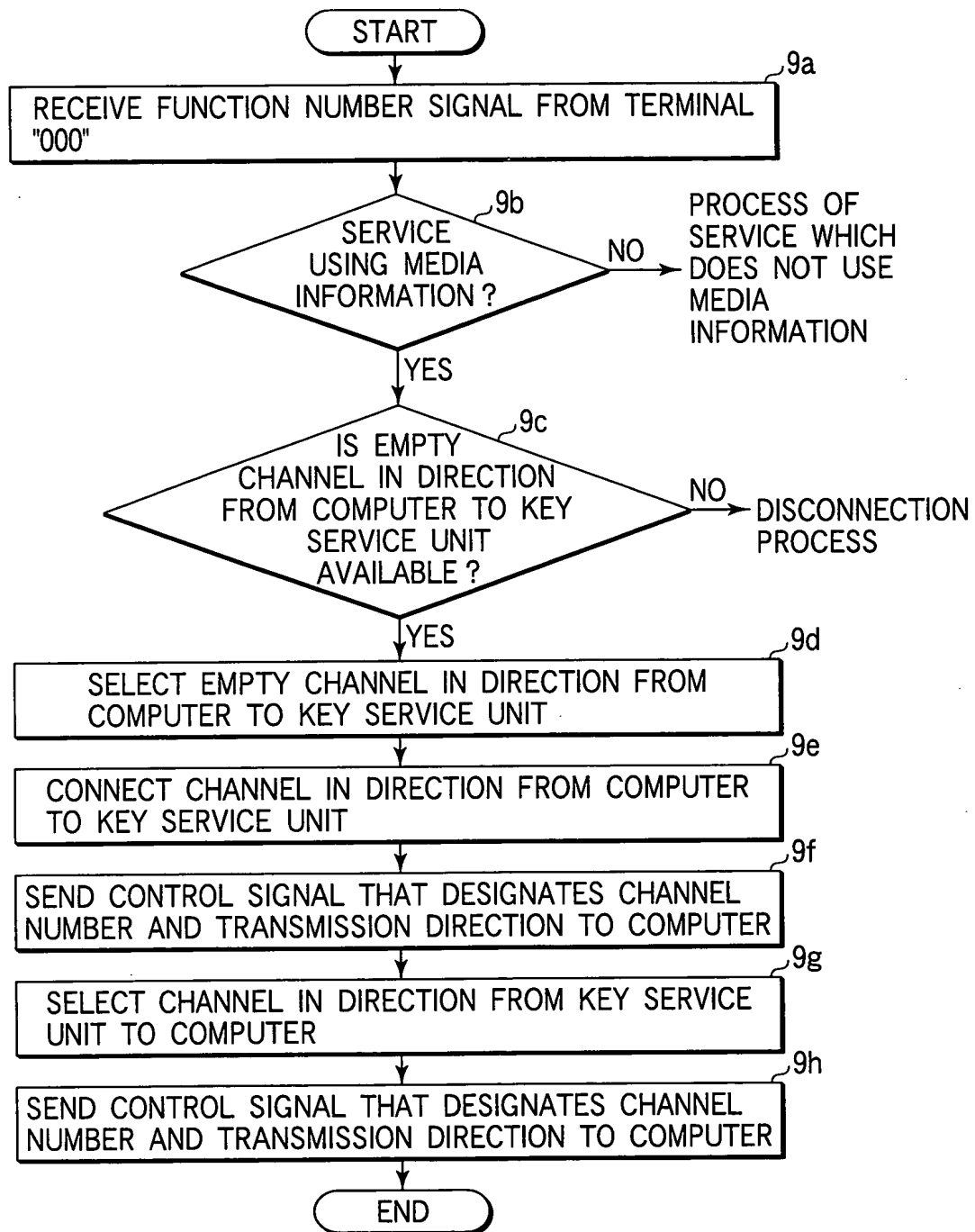


FIG. 11

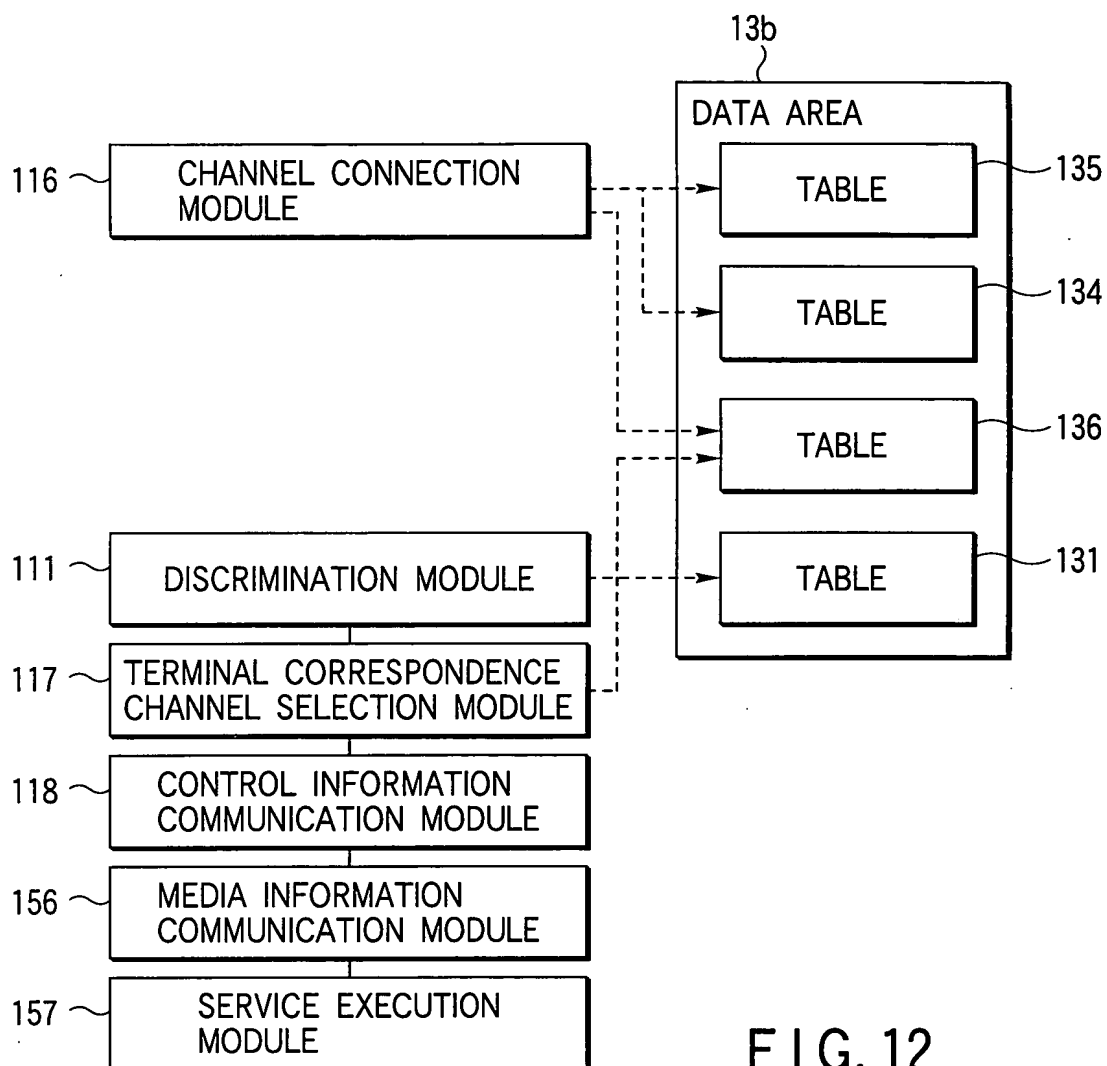


FIG. 12

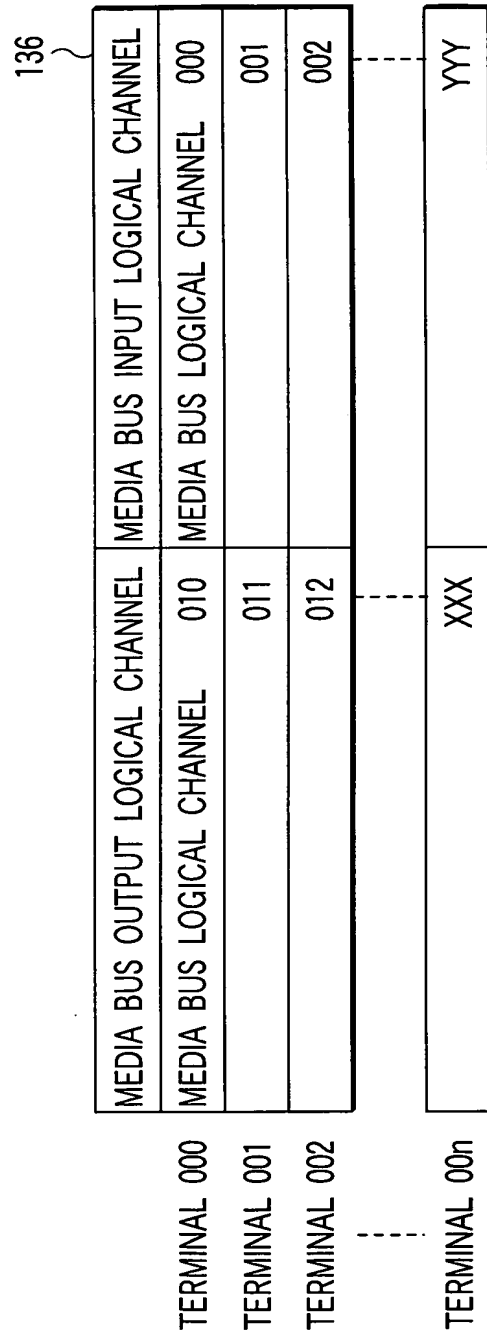


FIG. 13



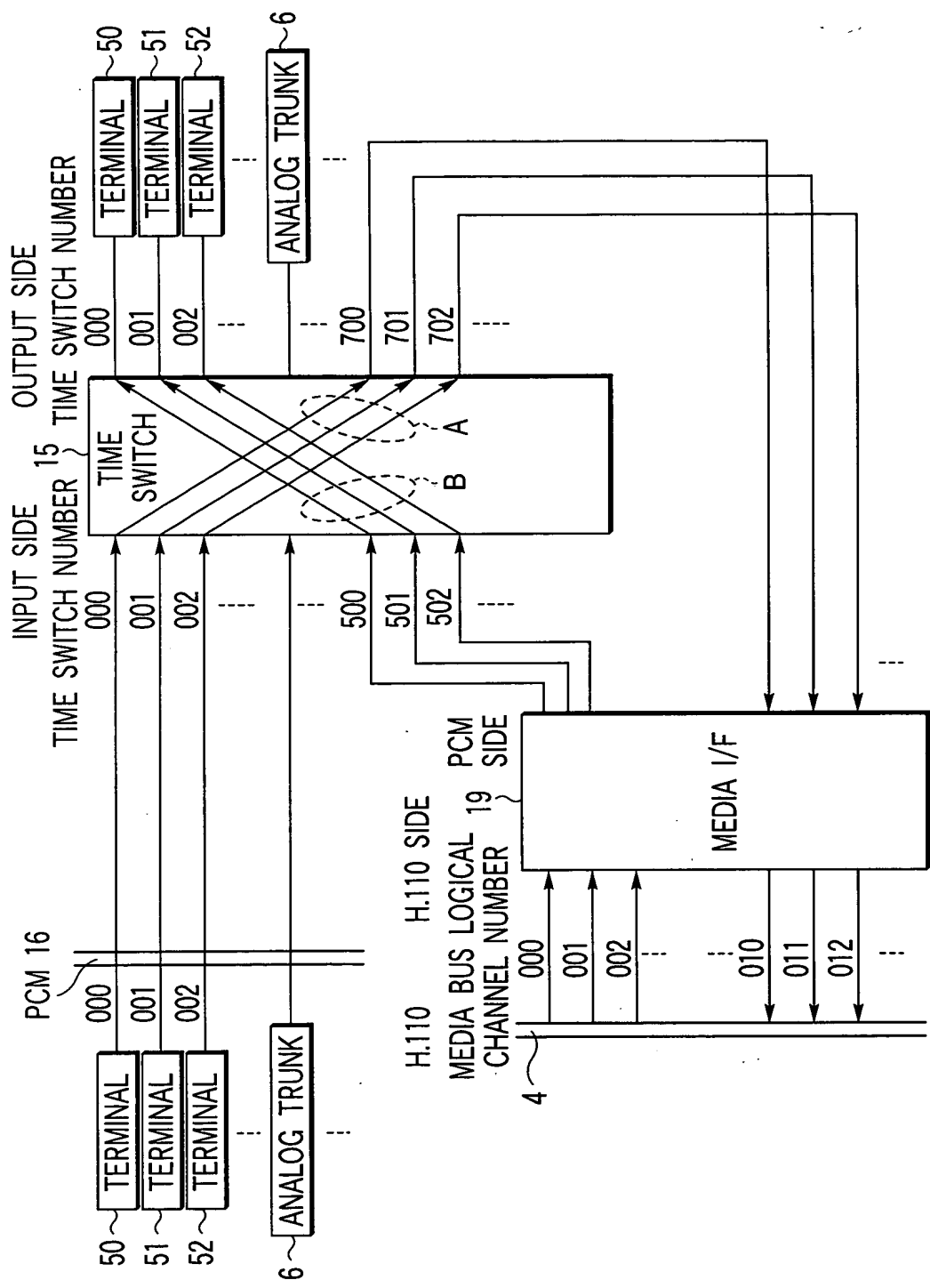


FIG. 14

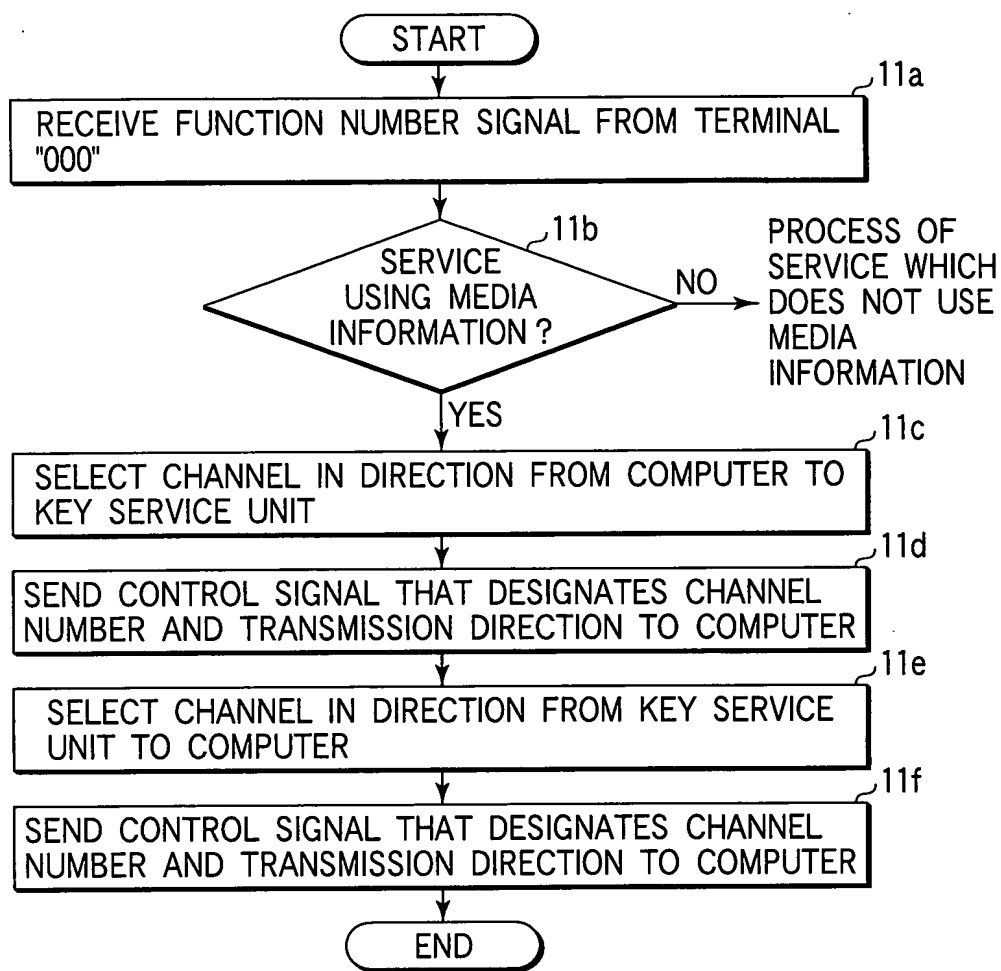


FIG. 15

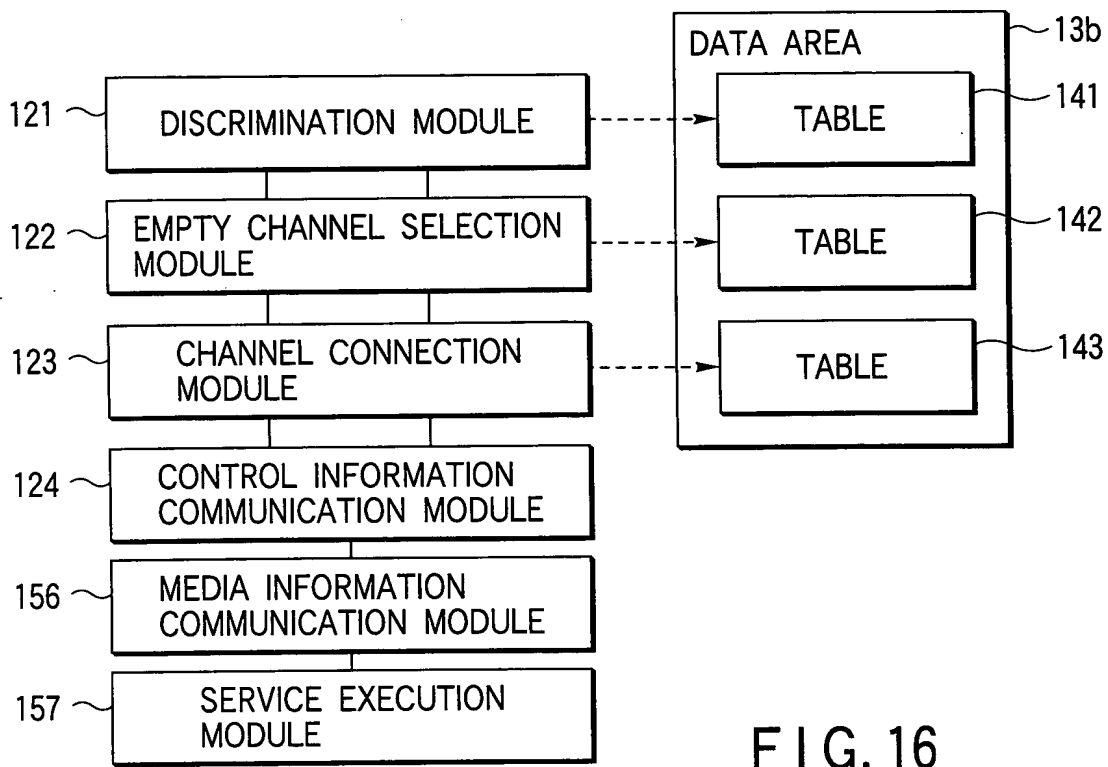


FIG. 16

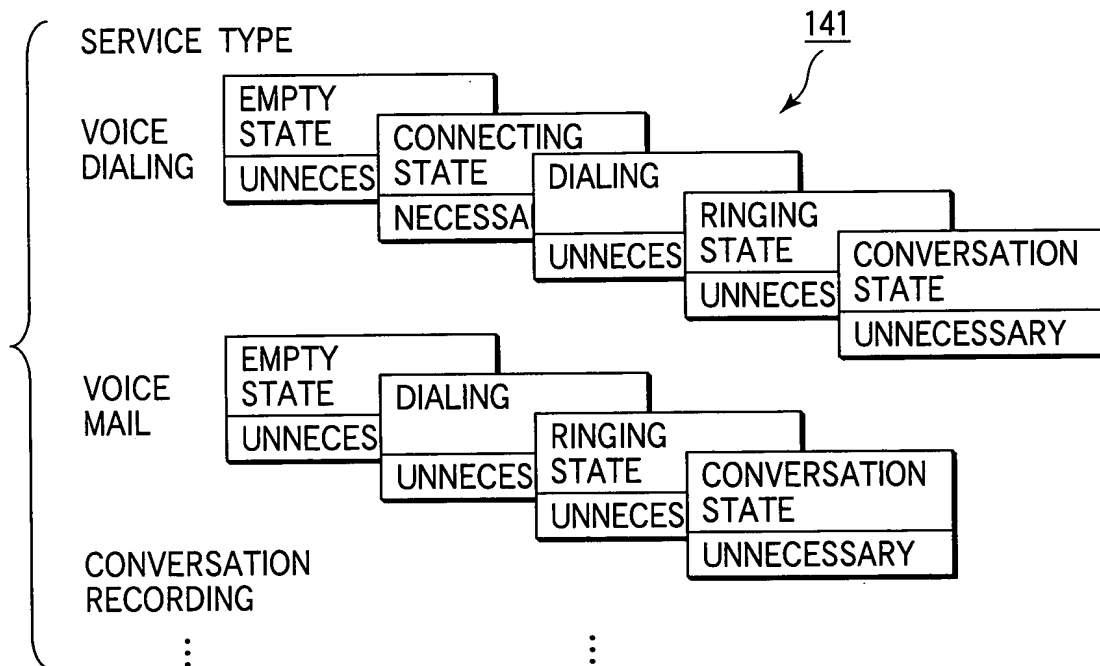


FIG. 17



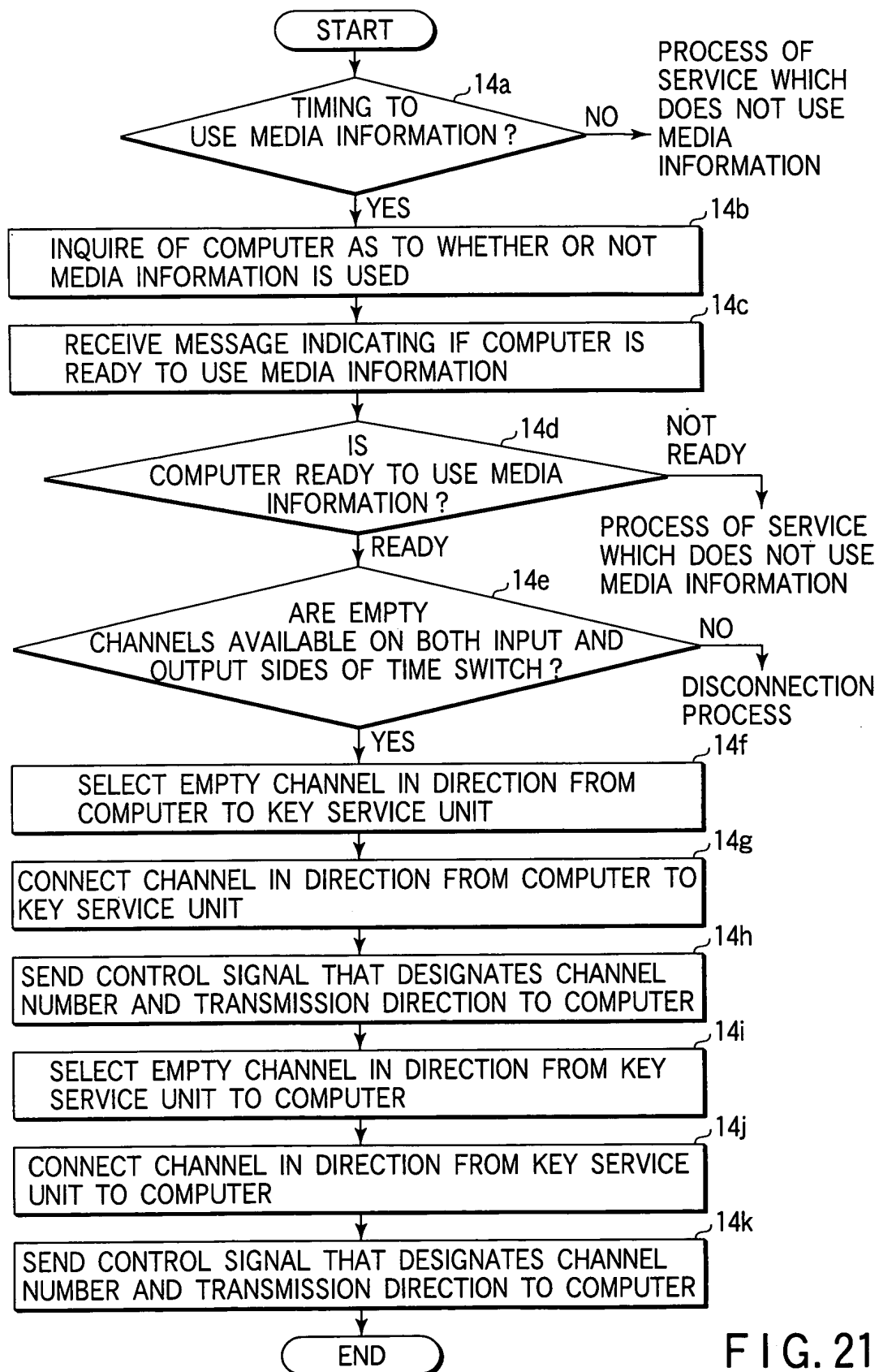


FIG. 21

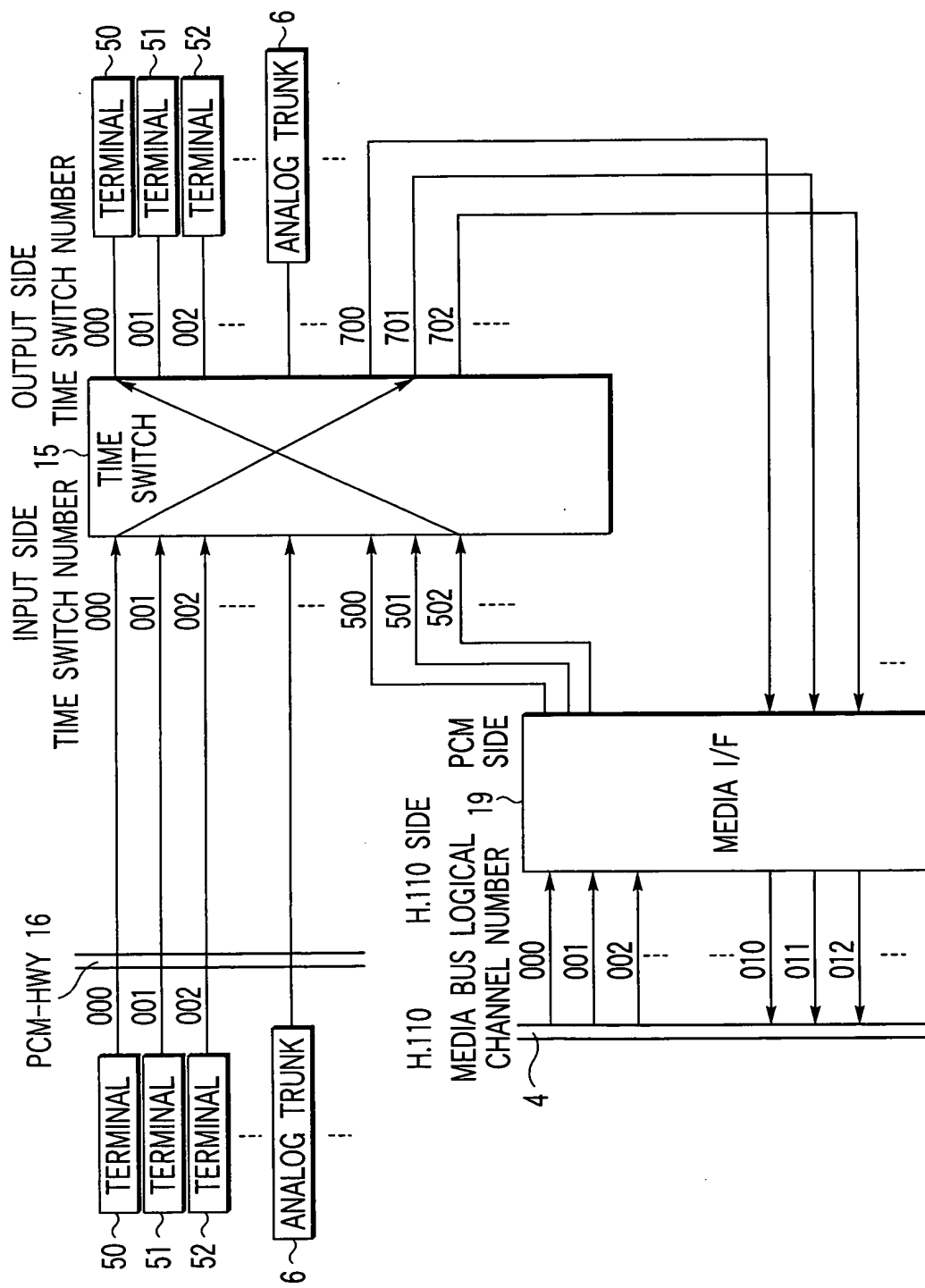


FIG. 22

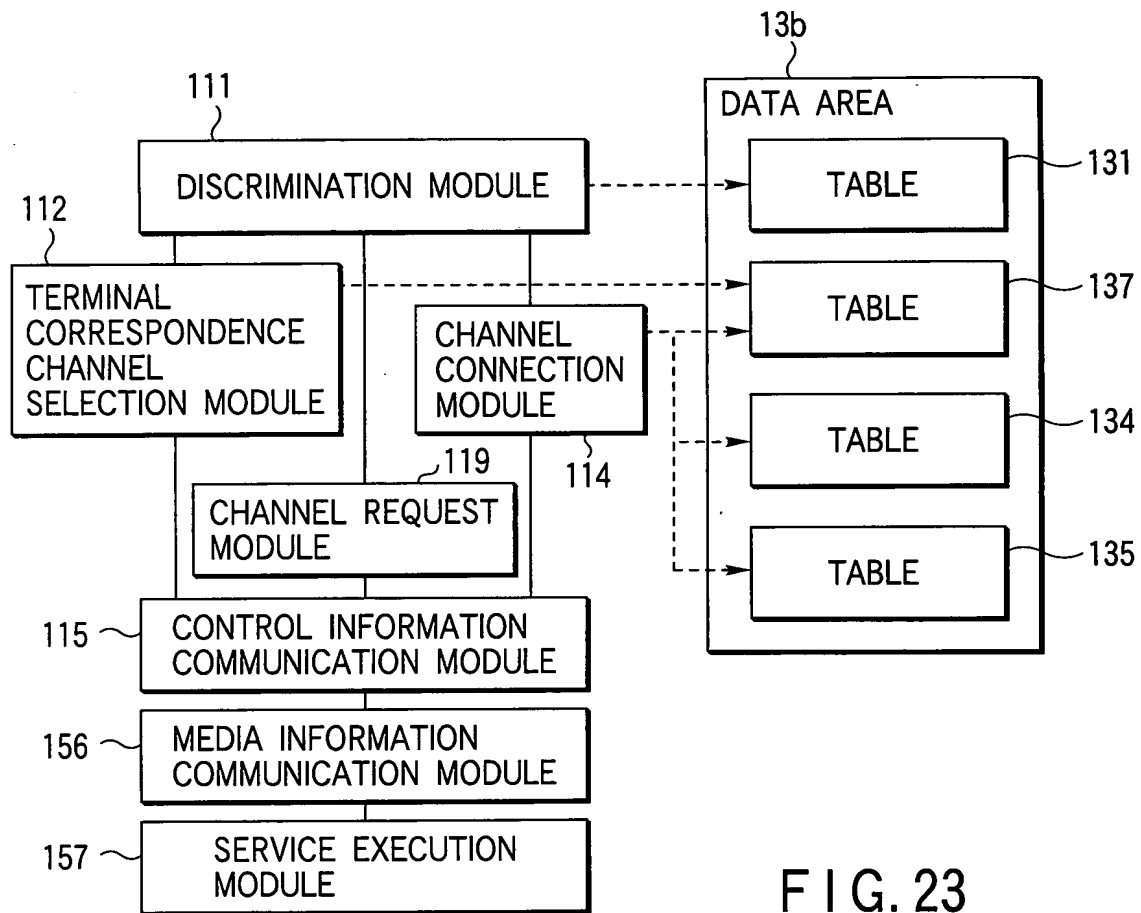


FIG. 23

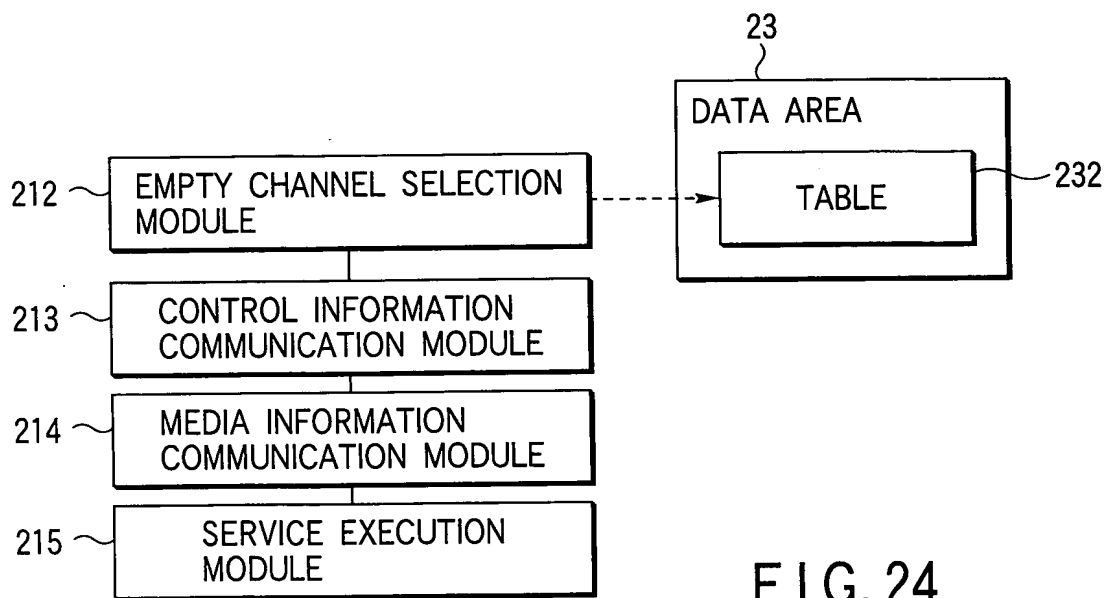


FIG. 24

TERMINAL 000	MEDIA BUS LOGICAL CHANNEL	000
TERMINAL 001		001
TERMINAL 002		002
...		
TERMINAL 00n		XXX

FIG. 25

MEDIA BUS LOGICAL CHANNEL NUMBER	000	EMPTY
	001	EMPTY
	002	BUSY
	...	...
	XXX	EMPTY

FIG. 26



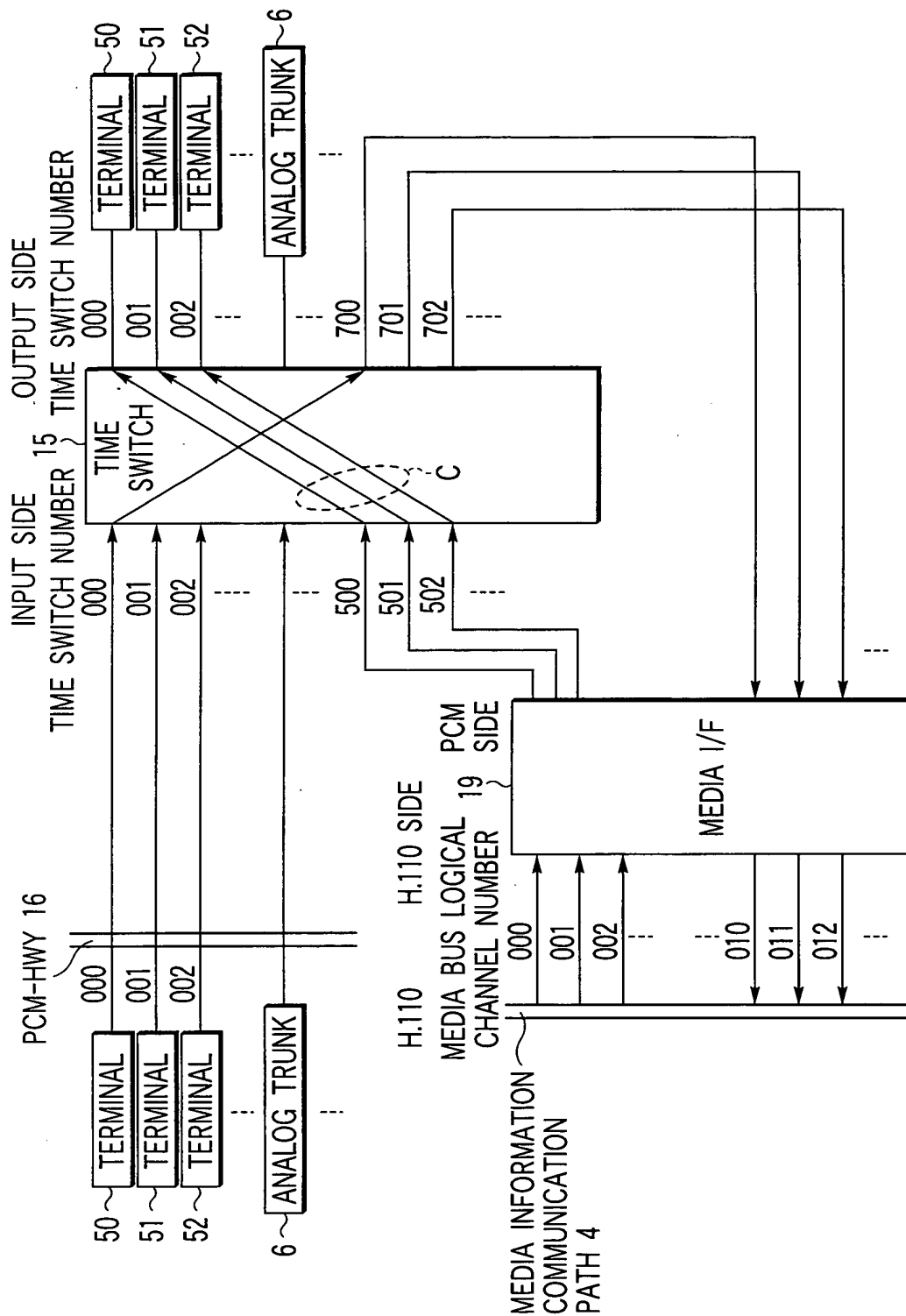


FIG. 27

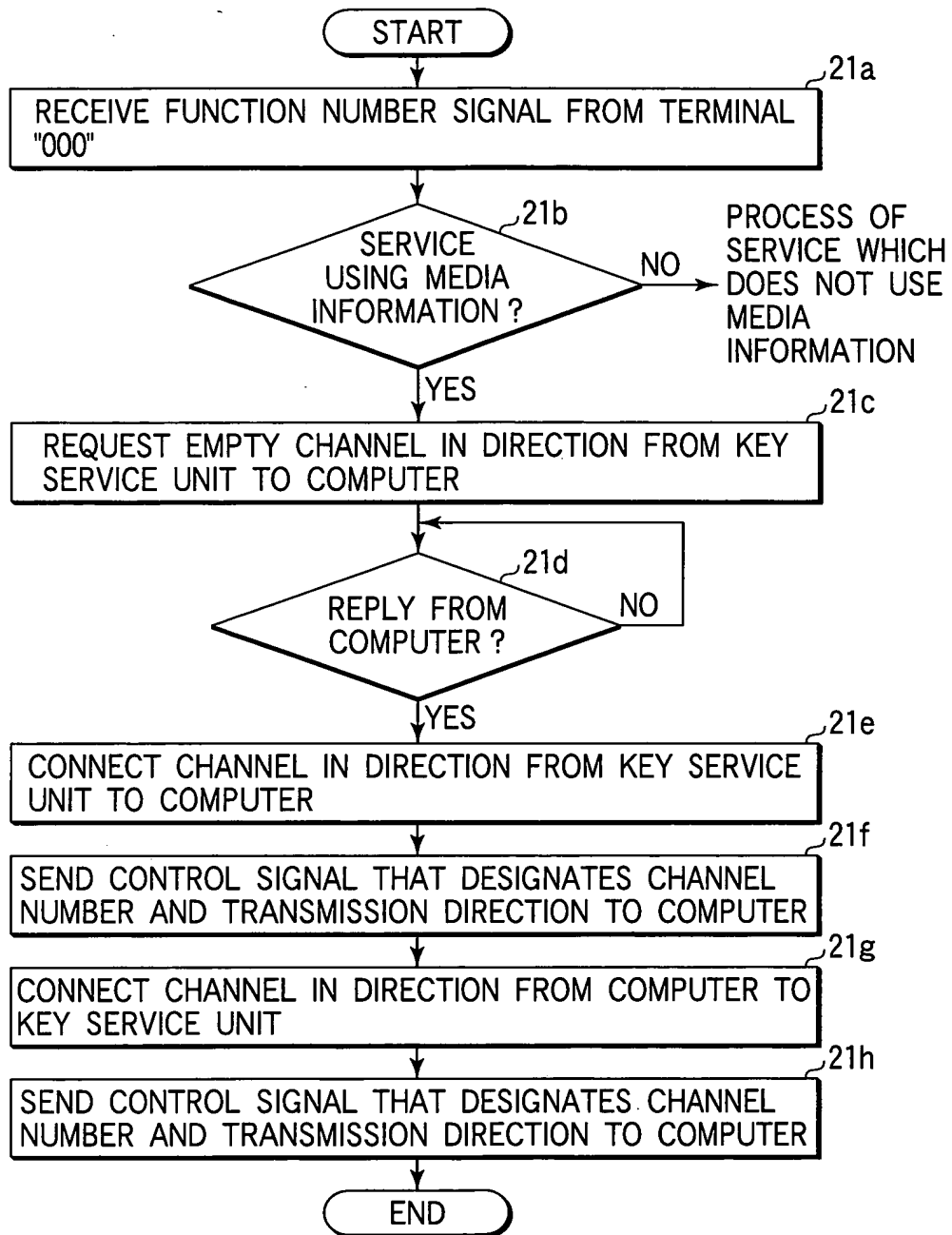


FIG. 28

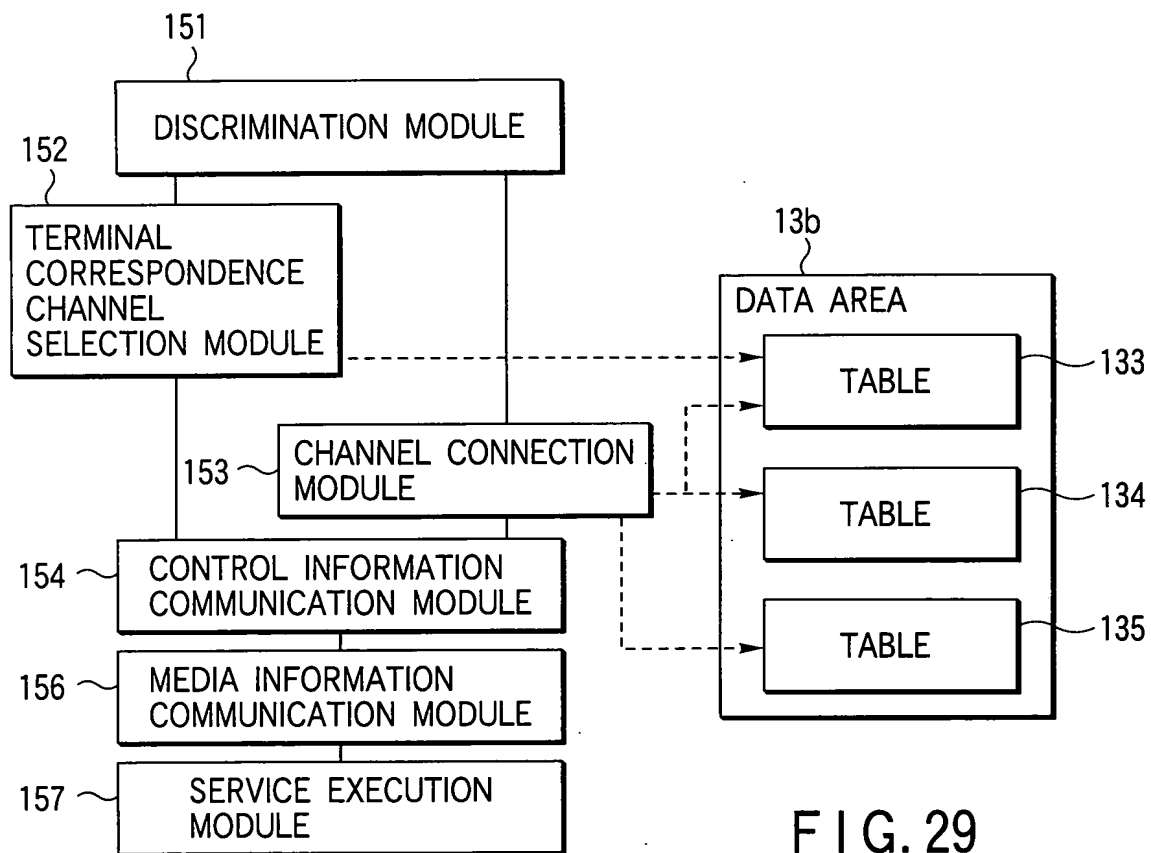


FIG. 29

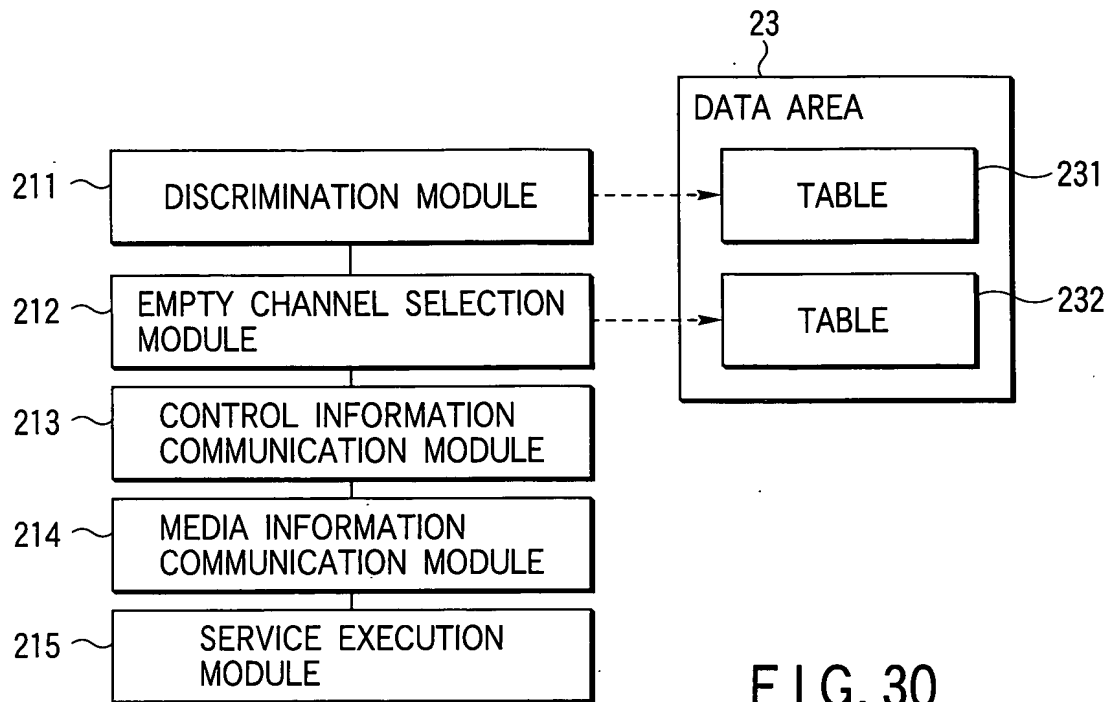


FIG. 30

SERVICE TYPE	OUTSIDE LINE DIALING	UNNECESSARY
	VOICE DIALING	NECESSARY
	CONVERSATION RECORDING	NECESSARY
	ATTENDANT	UNNECESSARY
	VOICE MAIL	NECESSARY

FIG. 31

# KEY SERVICE UNIT CONTROL FLOW CHART

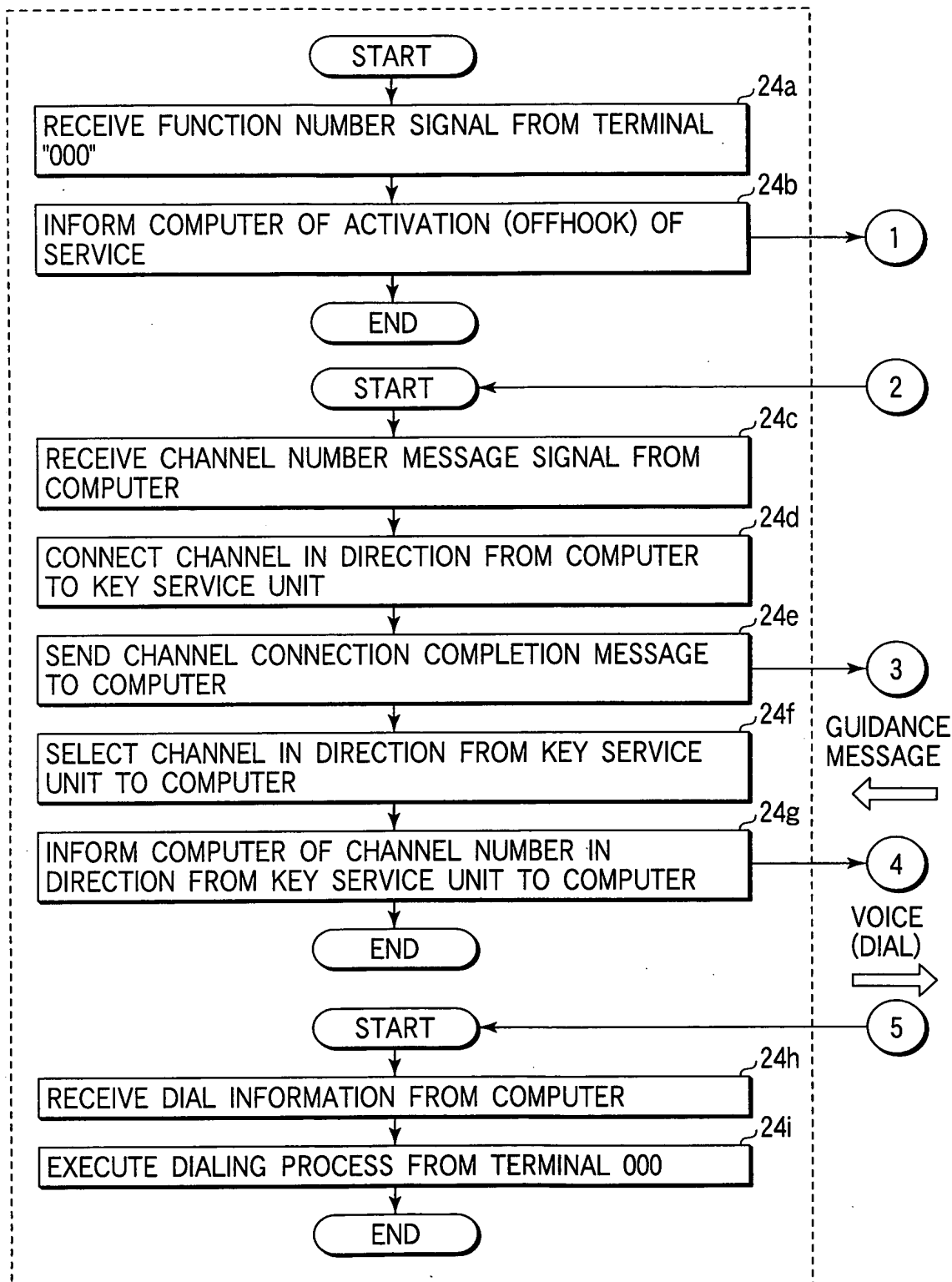


FIG. 32A

# COMPUTER CONTROL FLOW CHART

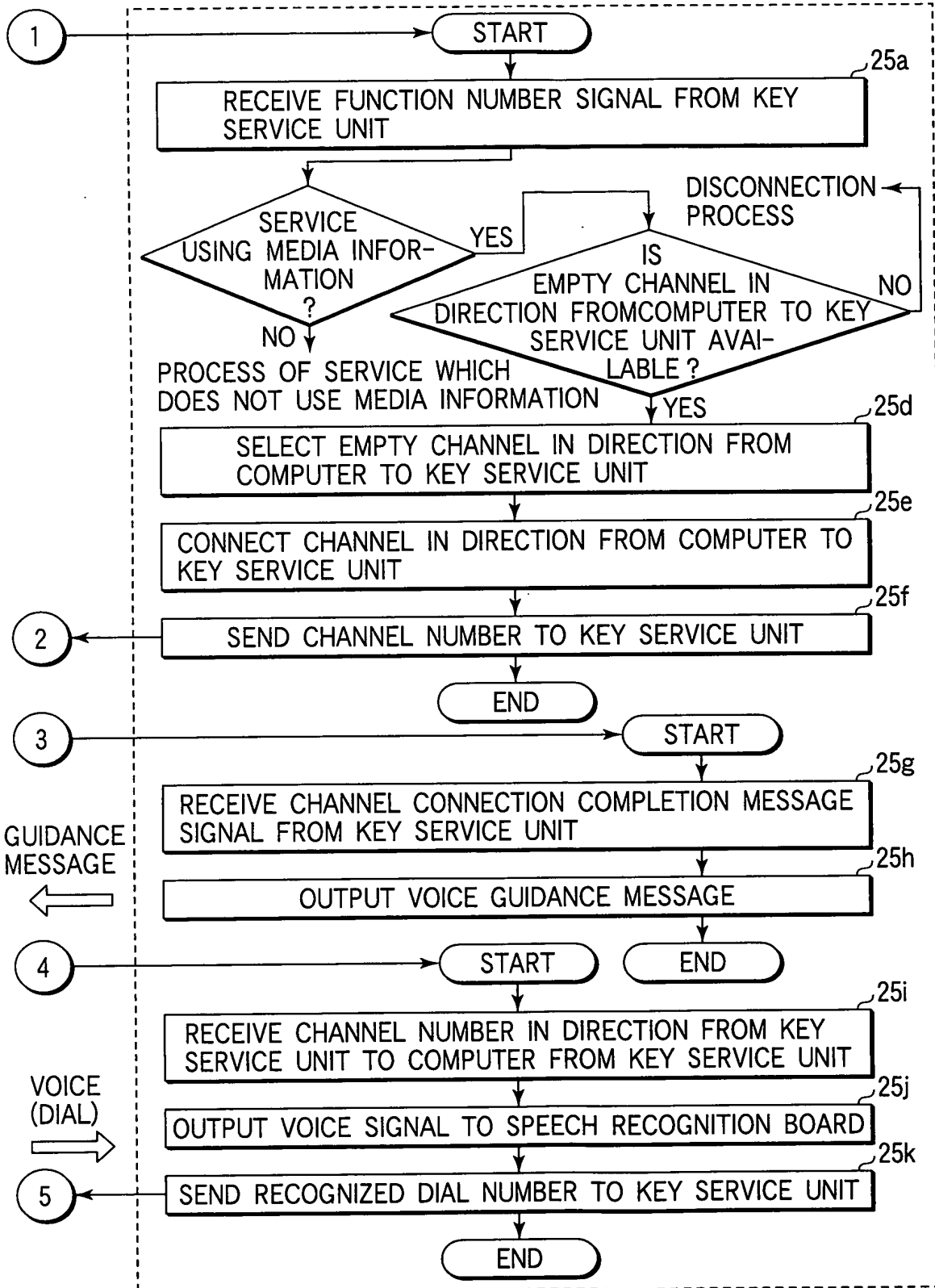


FIG. 32B

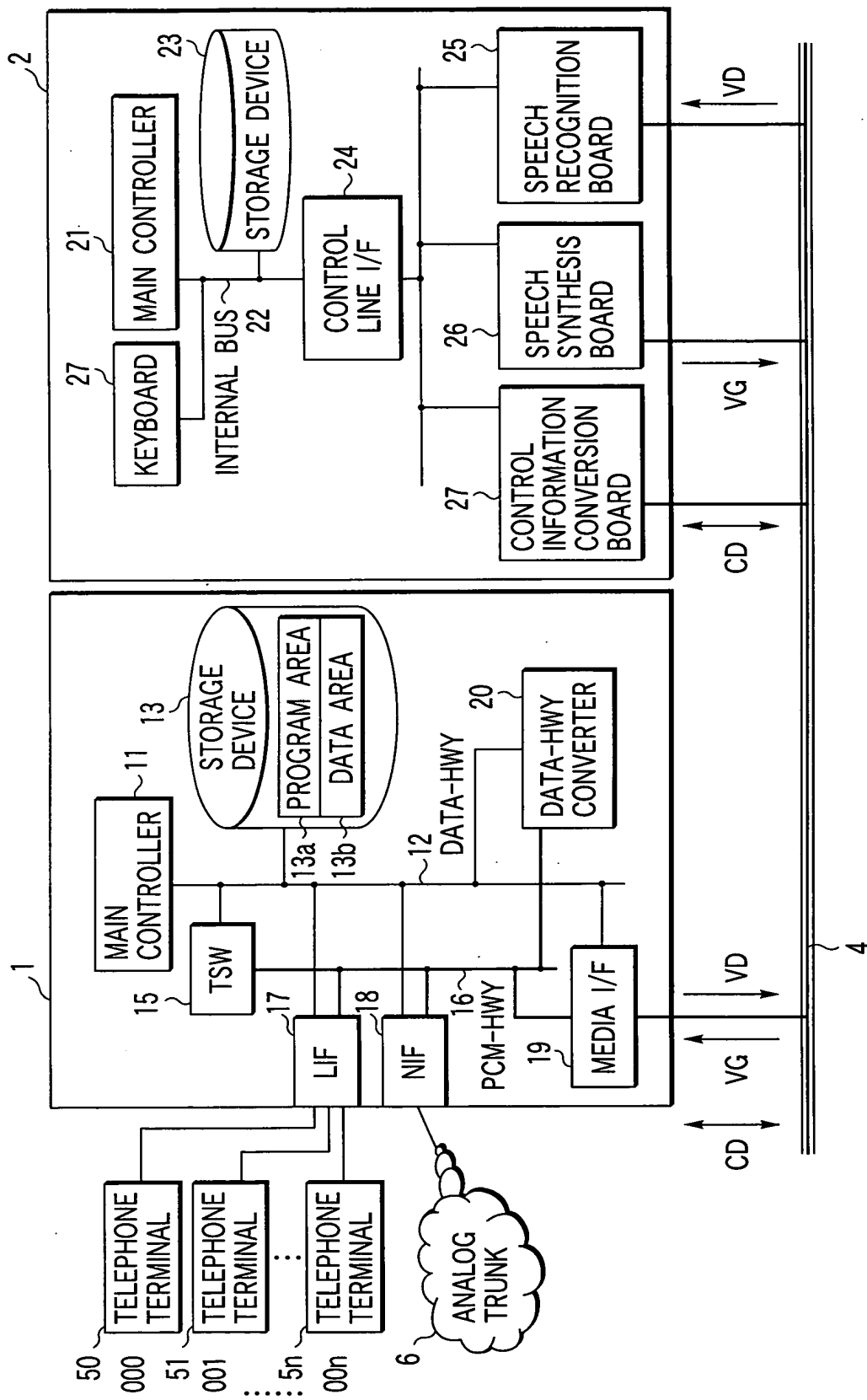


FIG. 33

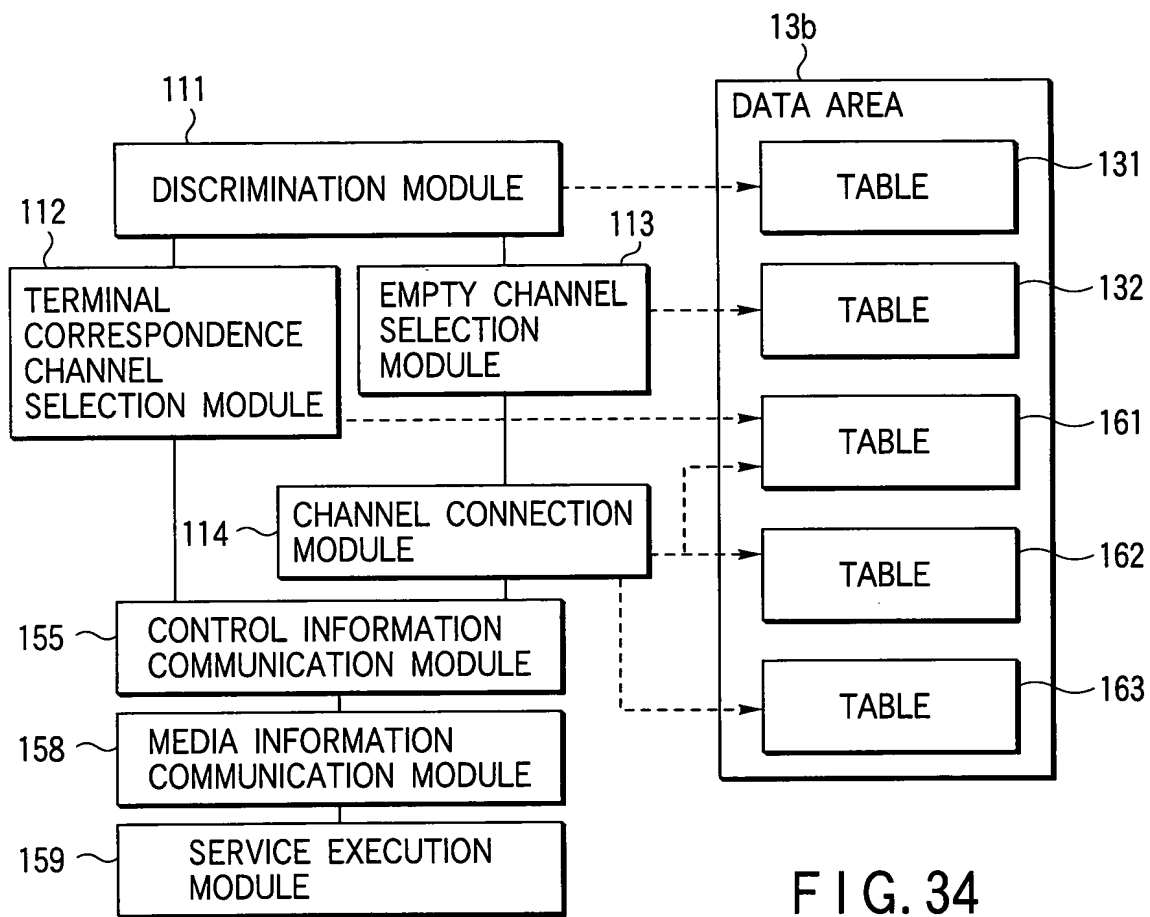


FIG. 34



TERMINAL CORRESPONDENCE TABLE

TERMINAL 000	MEDIA BUS LOGICAL CHANNEL	010
TERMINAL 001		011
TERMINAL 002		012
...		...
TERMINAL 00n		XXX

FIG. 35

DATA HIGHWAY CORRESPONDANCE TABLE

DHWY		015
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MEDIA BUS LOGICAL CHANNEL NUMBER	000	TIME SWITCH OUTPUT CHANNEL NUMBER	162
MEDIA BUS LOGICAL CHANNEL NUMBER	001		
...	...		
	010	TIME SWITCH OUTPUT CHANNEL NUMBER	700
	011		701
	012		702
...	...		
	015		705
...	...		
	XXX		n

FIG. 37

MEDIA BUS LOGICAL CHANNEL NUMBER

000	TIME SWITCH OUTPUT CHANNEL NUMBER	500
001		501
002		503
...		
005		505
...		
XXX		

163

FIG. 38

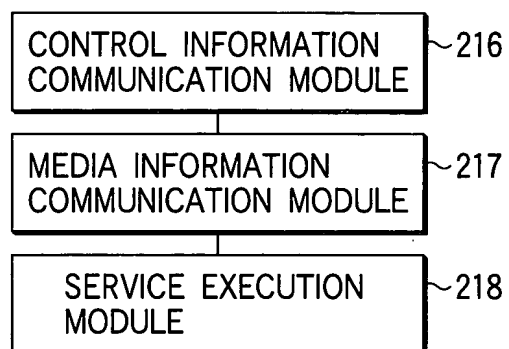


FIG. 39

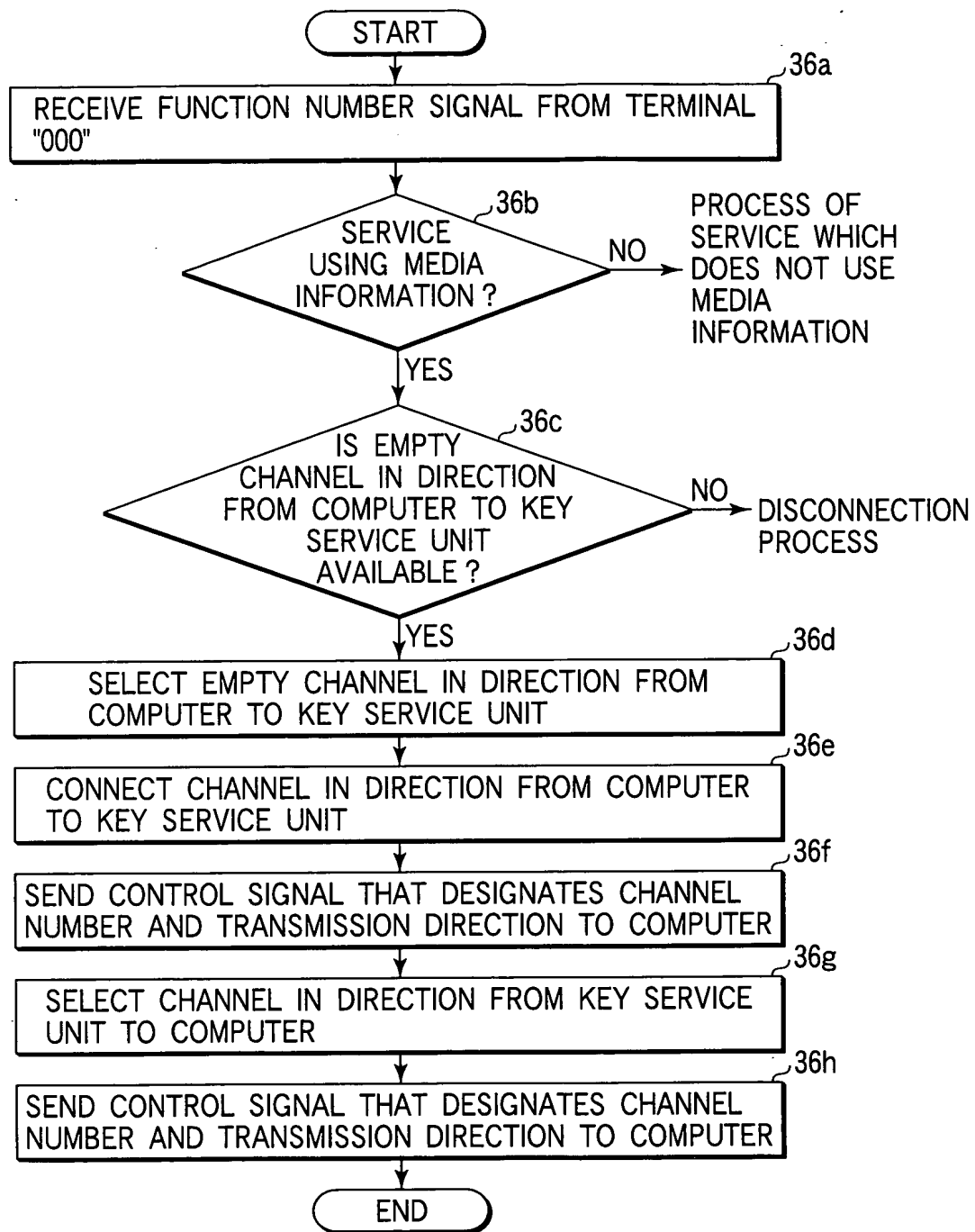


FIG. 40

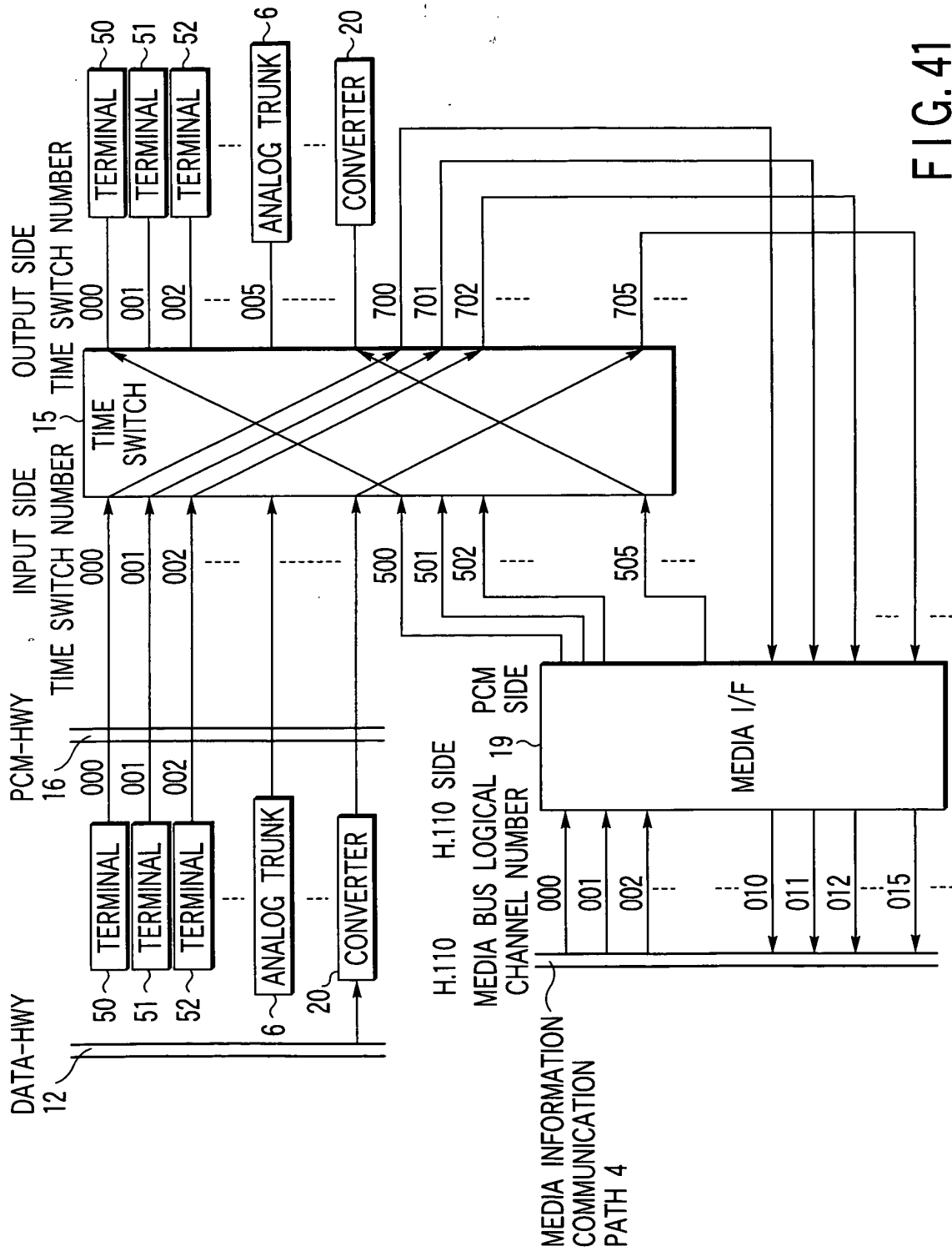


FIG. 41